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[Bulletins 209 to 222 constitute the Report for 1913. In binding, pages i-xx at the end of this bulletin should be detached and placed before Bulletin 209, which begins with page 1]

Maine Agricultural Experiment Station

BULLETIN No. 222.

DECEMBER, 1913.

FINANCES, METEOROLOGY, INDEX.

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B. OF D.

MAY 11 1914

BULLETIN 222.

METEOROLOGICAL OBSERVATIONS.

For many years the meteorological apparatus was located in the Experiment Station building and the observations were made by members of the Station Staff. June 1, 1911, the meteorological apparatus was removed to Wingate Hall and the observations are in charge of Mr. James S. Stevens, professor of physics in the University of Maine.

The instruments used were at Lat. $44^{\circ} 54' 2''$ N. Lon. $64^{\circ} 40' 5''$ W. Elevation 135 feet.

The instruments used are the same as those used in preceding years, and include: Wet and dry bulk thermometers; maximum and minimum thermometers; rain-gauge; self-recording anemometer; vane; and barometer. The observations at Orono now form an almost unbroken record of forty-five years.

METEOROLOGICAL SUMMARY FOR 1913.

OBSERVATIONS MADE AT THE UNIVERSITY OF MAINE.

1913.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Not stated.	Total.
Highest temperature.....	58	51	65	85	79	87	91	93	90	77	66	51		
Lowest temperature.....	5	19	7	9	26	31	18	34	29	29	9	11		
Mean temperature.....	27.0	16.1	33.5	44.7	50.1	61.3	67.9	65.2	56.8	51.2	40.5	28.1	45.15	
Mean temperature in 45 years.....	16.54	18.72	28.50	40.97	52.88	62.08	67.21	65.27	57.53	45.54	34.60	21.97	42.57	
Total precipitation in inches.....	2.81	1.66	4.42	3.54	3.55	1.38	5.86	3.15	1.12	7.35	3.39	2.87		41.00
Mean precipitation in 45 years.....	4.06	3.75	4.22	2.91	3.57	3.10	3.34	3.45	3.50	3.87	3.60	3.68		43.33
Number of days with precipitation of .01 or more.....	8	4	15	11	8	8	15	7	9	16	6	5		112
Snow fall in inches.....	1.25	14.0	9									10		34.3
Mean snow fall in 45 years.....	22.0	21.5	15.6	5.3	0.19					0.72	7.1	16.3		90.4
Number of clear days.....	5	12	6	10	8	15	7	14	17	6	15	11		126
Number of fair days.....	8	6	8	5	10	10	12	10	7	6	8	9		99
Number of cloudy days.....	18	10	17	15	13	5	12	7	6	19	7	11		140
Total movement of wind in miles.....	5320	4802	6212	4698	4091	4289	4255	3542	3087	1116	4361	3408	4374	52481

REPORT OF TREASURER FOR FISCAL YEAR ENDING JUNE 30, 1913.

RECEIPTS.	Hatch fund.	Adams fund.	General account.	Inspection.
Balance July 1, 1911.....				*\$6,993 98
Treasurer of United States.....	\$15,000 00	\$15,000 00		
State.....				9,000 00
Sales, etc.....			11,410 95	
Analysis fees.....				13,039 24
Total.....	\$15,000 00	\$15,000 00	\$11,410 95	\$29,033 22
DISBURSEMENTS.				
Salaries.....	\$5,149 81	\$11,551 27	\$1,418 35	\$13,664 48
Labor.....	3,663 41	130 71	2,475 09	
Publications.....	72 32			
Postage and stationery.....	497 65	48 75	106 99	665 23
Freight and express.....	317 82	153 72	836 39	143 65
Heat, light and power.....	271 81	181 04	247 10	~~241 81~~
Chemical supplies.....	185 33	4 22	5 61	637 06
Seeds, plants and sundry supplies....	736 14	491 15	1,667 27	64 78
Fertilizers.....	918 03		12 90	
Feeding stuffs.....	1,352 53	817 43	182 74	
Library.....	739 91	82 27	78 78	
Tools, implements and machinery....	502 12	187 39	58 53	
Furniture and fixtures.....	91 68	40	60 50	396 17
Scientific apparatus.....	3 00	512 84		123 04
Live stock.....	98 27	97 00	617 10	
Traveling expenses.....	212 99	463 16	81 13	2,632 87
Contingent expenses.....			91 72	79 47
Buildings.....	187 18	278 65	1,312 99	2,843 98
Deficit June 30, 1912.....			673 88	
Balance June 30, 1913.....			1,483 88	*7,540 68
Total.....	\$15,000 00	\$15,000 00	\$11,410 95	\$29,033 22

* The large balance is due to the fact that fees are paid in advance for the whole year and the State year ends December 31.

The classified report does not include \$1,000.00 paid for services and feeding stuffs in poultry investigations by the U. S. Department of Agriculture, an appropriation of \$4,500 from the State for printing Station publications, nor \$863.25 expended for Animal Husbandry investigations in anticipation of the receipt of the appropriation from the State.

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